

**SECRET**

# IPIR

PHOTOGRAPHIC INTERPRETATION REPORT



[REDACTED]

**GLASS LAMP MISSION 8116**  
**26 AUGUST 1966**

<sup>305</sup>  
NPIC/R-306/66  
AUGUST 1966

Declass Review By NIMA/DOD

GROUP 1 EXCLUDED FROM  
AUTOMATIC DOWNGRADING  
AND DECLASSIFICATION

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WARNING

This document contains information affecting the national defense of the United States, within the meaning of Title 18, sections 793 and 794 of the U.S. Code, as amended. Its transmission or revelation of its contents to or receipt by an unauthorized person is prohibited by law.

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R-306/66

### PREFACE

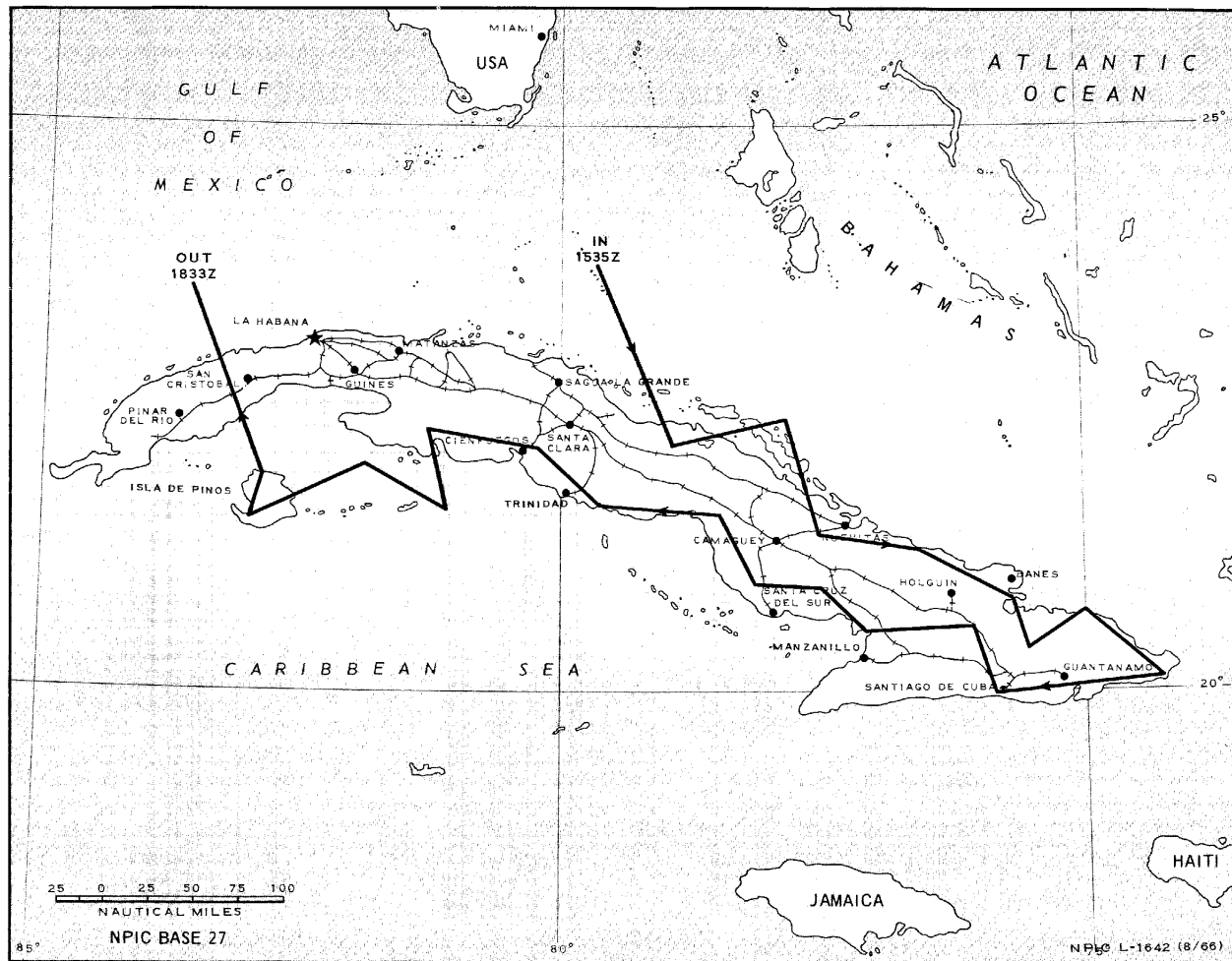
THE FOLLOWING INFORMATION REPRESENTS A PRELIMINARY ANALYSIS OF AERIAL PHOTOGRAPHY FROM GLASS LAMP MISSION 8816, 26 AUG 66. THE NUMBER AT THE RIGHT MARGIN OF THE HEADER LINE IS THE COMOR TARGET NUMBER.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON PHOTOGRAPHY ARE AS FOLLOWS--  
C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), O (OBLIQUITY), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF TARGET COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS SIGNIFIED BY ST (STEREO), NS (NONSTEREO), OR PS (PARTIAL STEREO).

AAA DEFENSES ARE DIVIDED INTO THREE BASIC CATEGORIES -- LIGHT (ZPU-2, ZPU-4, AND 37MM), MEDIUM (57MM AND 85MM), AND HEAVY (100MM AND LARGER). WHERE SUCH A CATEGORY CANNOT BE DETERMINED, THE SITE WILL BE LISTED AS AN AAA SITE AND THE NUMBER OF GUNS INDICATED (EXAMPLE 6-GUN AAA SITE, OCCUPIED/UNOCCUPIED).

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APPROXIMATE TRACK OF GLASS LAMP MISSION 8816, 26 AUGUST 1966

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R-306/66

ITEMS OF SPECIAL INTEREST

AN EW/GCI RADAR SITE HAS BEEN IDENTIFIED 2.5 NM WNW OF BAHIA HONDA AND HAS BEEN DESIGNATED BAHIA HONDA EW/GCI RADAR SITE 2.

AN EW/GCI RADAR SITE HAS BEEN IDENTIFIED 5.3 NM NW OF SANTIAGO DE CUBA AND HAS BEEN DESIGNATED SANTIAGO DE CUBA EW/GCI RADAR SITE 2.

MISSILES

25X1A

HOLGUIN SAM SITE B27-2

CU 2052N 07627W

OB -- 3 EMPLACED LAUNCHERS AND 6 MISSILE TRANSPORTERS OBSERVED IN CLOUD-FREE AREAS.  
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

LOS ANGELES SAM SITE A06-2

CU 2100N 07541W

OB -- 3 EMPLACED LAUNCHERS, 3 MISSILE TRANSPORTERS, 3 PROBABLE MISSILE TRANSPORTERS, AND A GUIDANCE AREA WITH 6 ASSOCIATED VAN TRAILERS OBSERVED IN CLOUD-FREE AREAS.  
NO APPARENT CHANGE IN LAUNCH FACILITIES.

25X1D

MAJANA SAM SITE A27-2

CU 2241N 08249W

SITE APPEARS TO BE VACATED.

25X1D

MAJANA SAM SITE 2 A27-2

CU 2241N 08249W

SITE APPEARS TO BE OCCUPIED. OBLIQUITY LIMITS INTERPRETATION.

25X1D

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R-306/66

25X1A

MALDONADO SAM SITE A18-2

CU 2012N 07528W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 1  
ADDITIONAL LAUNCHER, 8 MISSILE TRANSPORTERS (1 WITH  
EXPOSED MISSILE), A PROBABLE FAN SONG RADAR WITH 6  
ASSOCIATED VAN TRAILERS, 16 TRACKED PRIME MOVERS, 1  
TRUCK-MOUNTED CRANE, 3 ADDITIONAL VAN TRAILERS, AND 3  
PROBABLE FLATBED TRAILERS.  
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

SANTIAGO DE CUBA SAM SITE A23-2

CU 1959N 07550W

OB -- 6 EMPLACED LAUNCHERS (5 WITH MISSILES), 9 MISSILE  
TRANSPORTERS (2 WITH EXPOSED MISSILES AND 1 ADJACENT TO  
LAUNCHER), A GUIDANCE RADAR WITH SHED-COVERED  
EQUIPMENT, 3 PROBABLE TRACKED PRIME MOVERS, AND 2 OTHER  
VEHICLES.  
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

SANTIAGO DE CUBA SAM ASSEMBLY AREA

CU 2004N 07553W

OB -- 11 MISSILE TRANSPORTERS, NUMEROUS MISSILE  
CANISTERS, 4 FLATBED TRACTOR-TRAILER TRUCKS, AND 8  
OTHER VEHICLES.

25X1D

SANTIAGO SAM TRAINING AREA

CU 1958N 07551W

OB -- 6 POSSIBLE FA PIECES, 35 CARGO TRUCKS, 11  
PROBABLE VAN TRUCKS, AND 5 OTHER VEHICLES.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

SANTA ISABEL DE LAS LAJAS SAM SITE A35-2 CU 2228N 08018W

CONSTRUCTION CONTINUES ON PERMANENT SITE.  
OB -- PERMANENT SITE -- AT LEAST 6 PROBABLE MISSILE  
TRANSPORTERS AND AT LEAST 6 OTHER VEHICLES. ADJACENT  
TEMPORARY SITE -- 6 EMPLACED LAUNCHERS (1 WITH MISSILE)

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R-306/66

MISSION 8116 26 AUGUST 1966

AND A GUIDANCE AREA WITH RADAR AND 6 ASSOCIATED VAN TRAILERS.

ACTIVITY -- 1 OCCUPIED 6-GUN AAA SITE.

NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

[REDACTED]

25X1A

PALMA SORIANO SAM SITE A02-2

CU 2015N 07559W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 9 MISSILE TRANSPORTERS, A PROBABLE FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 4 CARGO TRUCKS, 2 OTHER VAN TRAILERS, AND 1 UNIDENTIFIED PIECE OF EQUIPMENT. NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

[REDACTED]

CONSTANCIA SAM SITE A10-2

CU 2214N 08030W

CONSTRUCTION APPEARS TO BE COMPLETE ON PERMANENT SITE. TEMPORARY SITE IS NOW VACATED.

OB -- PERMANENT SITE -- 6 EMPLACED LAUNCHERS, 13 MISSILE TRANSPORTERS (4 WITH EXPOSED MISSILES), A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, 6 CARGO TRUCKS, AND 4 OTHER VEHICLES.

ACTIVITY -- 1 OCCUPIED 6-GUN AND 1 OCCUPIED 3-GUN AAA SITE.

25X1D

[REDACTED]

LA VEGUITA SAM ASSEMBLY AREA

CU 2049N 07615W

OB -- 7 MISSILE TRANSPORTERS, NUMEROUS MISSILE CANISTERS, 6 FLATBED TRAILERS, AND 15 OTHER VEHICLES. NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

SAN PEDRO DE CACOCUM SAM SITE 1

CU 2047N 07615W

OB -- 6 EMPLACED LAUNCHERS (3 WITH MISSILES), 8 MISSILE TRANSPORTERS (7 WITH EXPOSED MISSILES), A FAN SONG RADAR WITH 6 ASSOCIATED VAN TRAILERS, AND AT LEAST 6 OTHER VEHICLES/PIECES OF EQUIPMENT. NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

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R-306/66

25X1D

[REDACTED]

25X1A

SAN PEDRO DE CACOCUM SAM SITE 2

CU 2045N 07615W

NO APPARENT CHANGE SINCE

[REDACTED]

25X1D

[REDACTED]

25X1D

LA MAYA SAM SITE

CU 2014N 07540W

NO APPARENT CHANGE SINCE

[REDACTED]

25X1D

[REDACTED]

25X1D

SIGUANEA CRUISE-MISSILE SITE

CU 2137N 08258W

OB -- 2 EMPLACED MISSILES, 4 PROBABLE CRUISE-MISSILE  
TRANSPORTERS AND AN OCCUPIED GUIDANCE AREA OBSERVED.  
HAZE LIMITS INTERPRETATION.  
NO APPARENT CHANGE IN LAUNCH AND SUPPORT FACILITIES.

25X1D

[REDACTED]

AIR FACILITIES

CAMAGUEY INTERNATIONAL AIRFIELD

CU 2125N 07750W

OB -- 1 C-47.

25X1D

[REDACTED]

HOLGUIN AIRFIELD

CU 2047N 07618W

OB -- AT LEAST 9 FAGOT/FRESCO AND 11 HOUND.

25X1D

[REDACTED]

LOS CANOS AIRFIELD

CU 2005N 07509W

OB -- NONE OBSERVED.

25X1D

[REDACTED]

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MISSION 8116 26 AUGUST 1966

R-306/66

25X1A

SIGUANEA AIRFIELD

CU 2138N 08257W

OB -- NONE OBSERVED.

25X1D

ANTONIO MACEO AIRFIELD

CU 1958N 07550W

OB -- 1 CRATE, 1 C-47, 1 MORAVA L-200, 1 LIAISON, AND 3 HOUND.

25X1D

JAIME GONZALES AIRFIELD

CU 2209N 08024W

OB -- NONE OBSERVED.

25X1D

BAYAMO AIRFIELD EAST

CU 2022N 07637W

OB -- 5 COLT.

25X1D

CAIBARIEN AIRFIELD

CU 2230N 07928W

OB -- NONE OBSERVED.

25X1D

BAYAMO AIRFIELD

CU 2023N 07637W

OB -- NONE OBSERVED.

25X1D

NAVAL ACTIVITY/PORTS

CABANAS NAVAL BASE

CU 2258N 08258W

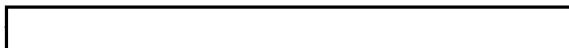
OB -- 10 KOMAR-CLASS PTG.  
OBLIQUITY LIMITS INTERPRETATION.

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R-306/66

25X1D



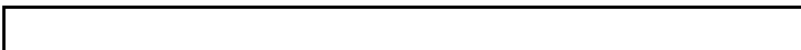
25X1A

SIGUANEA NAVAL BASE

CU 2136N 08258W

OB -- 1 YP.

25X1D



CIENFUEGOS NAVAL BASE

CU 2208N 08027W

OB -- 2 KRONSTADT-CLASS PC, 9 P-6-CLASS PT (2 ON  
MARINE RAILWAY), AND 4 YP.  
OTHER VESSELS -- 1 LARGE FREIGHTER.

25X1D

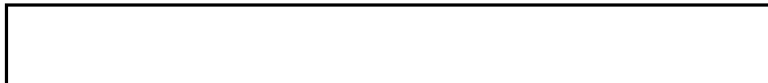


SANTIAGO DE CUBA NAVAL BASE AND PORT

CU 2001N 07550W

OB -- NONE OBSERVED.  
OTHER VESSELS -- 2 LARGE FREIGHTERS, 1 COASTAL  
FREIGHTER, AND 1 LARGE TANKER.

25X1D



MANZANILLO PORT

CU 2021N 07707W

VESSELS -- NONE OBSERVED.

25X1D

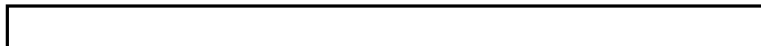


NUEVITAS PORT

CU 2132N 07715W

VESSELS -- 2 LARGE FREIGHTERS, 1 COASTAL FREIGHTER, AND  
1 LARGE TANKER.

25X1D



NUEVA GERONA PORT

CU 2153N 08248W

VESSELS -- NONE OBSERVED.

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25X1D



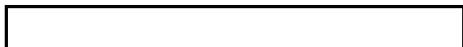
25X1A

CAIBARIEN PORT

CU 2231N 07928W

VESSELS -- NONE OBSERVED.

25X1D



CASILDA PORT

CU 2145N 07959W

VESSELS -- NONE OBSERVED.

25X1D

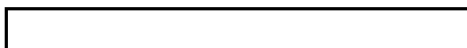


SURGIDERO DE BATABANO PORT

CU 2241N 08217W

VESSELS -- NONE OBSERVED.

25X1D

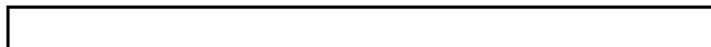


BAHIA HONDA PORT

CU 2255N 08310W

VESSELS -- NONE OBSERVED.

25X1D



ELECTRONICS/COMMUNICATIONS

PUNTA MAISI LOW SIEVE RADAR SITE

CU 2014N 07409W

OB -- 1 LOW SIEVE RADAR.

25X1D



BAHIA HONDA EW/GCI RADAR SITE 2

CU 2255N 08312W NO COMOR

2.5 NM WNW OF BAHIA HONDA AT 22-55-12N 083-12-14W (UTM 17QKR739363).

OB -- 1 BAR LOCK AND 1 PROBABLE FLAT FACE RADAR.

ACTIVITY -- 3 VAN TRUCKS, 4 VAN TRAILERS, 3 PIECES OF EQUIPMENT, AND AN OCCUPIED 3-GUN LIGHT AAA SITE.

(AMS SERIES E723, SHEET 3584-I, 2D ED)

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R-306/66

25X1D

SANTIAGO DE CUBA EW/GCI RADAR SITE 2 CU 2005N 07551W NO COMOR

5.3 NM NW OF SANTIAGO DE CUBA AT 20-05-30N 075-51-30W  
(UTM 18QVT105215).

FACILITIES CONSIST OF 2 SUPPORT BUILDINGS.

OB -- 1 BAR LOCK AND 1 POSSIBLE FLAT FACE RADAR.

OBLIQUITY LIMITS INTERPRETATION.

(AMS SERIES E723, SHEET 5076-III, 3D ED)

25X1D

MILITARY ACTIVITY

25X1A

ALTO CEDRO MILITARY CAMP CU 2029N 07600W

OB -- 18 TANKS/SP GUNS, 36 FA PIECES, 37 MORTARS, 18  
CANVAS-COVERED PROBABLE BTR 60-P, 1 CANVAS-COVERED  
PROBABLE BRDM, 225 CARGO TRUCKS, AND 51 OTHER VEHICLES.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

DOS CAMINOS MILITARY CAMP CU 2014N 07547W

OB -- 16 FA/AAA PIECES/MORTARS, 36 PROBABLE TRACKED  
PRIME MOVERS, AND 80 PROBABLE CARGO TRUCKS. OBLIQUITY  
LIMITS INTERPRETATION.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

GUANTANAMO AREA CU 2018N 07525W

NO NEW MILITARY ACTIVITY OBSERVED IN AREAS 1-9.  
AREAS 1-9 -- 80 PERCENT USEABLE COVERAGE.

25X1D

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R-306/66

25X1A

HOLGUIN MILITARY CAMP

CU 2053N 07613W

OB -- MAIN CAMP -- AT LEAST 200 VEHICLES/PIECES OF  
EQUIPMENT. CAMP 2.2 NM SE -- 16 PROBABLE FA PIECES AND  
16 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES IN BOTH AREAS.

25X1D



HOLGUIN MILITARY CAMP NW

CU 2057N 07616W

OB -- 14 FA/AAA PIECES AND 19 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

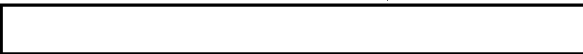


CAMAGUEY MILITARY CAMP

CU 2126N 07753W

OB -- NONE OBSERVED.  
NO APPARENT CHANGE IN FACILITIES.

25X1D



CUABITAS MILITARY CAMP

CU 2003N 07548W

OB -- 9 PROBABLE TRACKED VEHICLES AND AT LEAST 30 CARGO  
TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

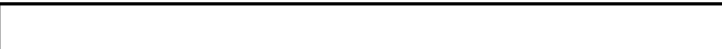


EL CRISTO MILITARY INSTALLATION

CU 2008N 07547W

OB -- 2 POSSIBLE CRUISE-MISSILE TRANSPORTER-LAUNCHERS  
AND 9 OTHER VEHICLES.  
NO APPARENT CHANGE IN FACILITIES.

25X1D



JURAGUA MILITARY ACTIVITY

CU 2209N 08035W

OB -- NONE OBSERVED.  
NO APPARENT CHANGE IN FACILITIES.

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R-306/66

25X1D

[REDACTED]

25X1A

25X1D

[REDACTED]

CU 2206N 08033W

NO APPARENT CHANGE SINCE

[REDACTED]

25X1D

[REDACTED]

25X1D

LA QUINTA MILITARY CAMP

CU 2002N 07551W

OB -- 9 PROBABLE FA PIECES, 33 CARGO TRUCKS, AND 1  
OTHER VEHICLE/PIECE OF EQUIPMENT.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

MINAS MILITARY CAMP

CU 2127N 07734W

OB -- 22 TANKS/SP GUNS, 20 CARGO TRUCKS, 2 VAN TRUCKS,  
AND 7 OTHER VEHICLES/PIECES OF EQUIPMENT.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

OFELIA MILITARY CAMP

CU 2006N 07530W

OB -- 15 TANKS/SP GUNS, 27 FA PIECES, 20 AAA PIECES, AT  
LEAST 10 PROBABLE MORTARS, 4 TRACKED PRIME MOVERS, AT  
LEAST 50 CARGO TRUCKS, AND AT LEAST 10 VAN TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

PUERTO PADRE MILITARY AREA

CU 2111N 07639W

OB -- 1 TANK/SP GUN, 6 FA PIECES, 4 PROBABLE MORTARS,  
25 CARGO TRUCKS, 2 PROBABLE VAN TRUCKS, AND 4 OTHER  
VEHICLES/PIECES OF EQUIPMENT.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

[REDACTED]

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R-306/66

25X1A

SAN DIEGO DE NUNEZ MILITARY CAMP

CU 2254N 08305W

OB --- AT LEAST 35 VEHICLES/PIECES OF EQUIPMENT  
NO APPARENT CHANGE IN FACILITIES.

25X1D

SANTIAGO DE CUBA MILITARY CAMP NW

CU 2003N 07554W

OB --- 16 FA PIECES, 3 PROBABLE AAA PIECES, 35 CARGO  
TRUCKS, AND 2 OTHER VEHICLES/PIECES OF EQUIPMENT.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

SANTIAGO DE CUBA MILITARY CAMP

CU 2003N 07553W

OB --- 32 FA PIECES, 17 AAA PIECES, 12 MORTARS, 81 CARGO  
TRUCKS, AND 24 UTILITY TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

CIENFUEGOS MILITARY ACTIVITY

CU 2209N 08027W

OB --- 16 FA PIECES AND 16 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

CONDADO PROBABLE MILITARY INSTALLATION

CU 2152N 07951W

OB --- 12 CARGO TRUCKS.  
NO APPARENT CHANGE IN FACILITIES.

25X1D

ENSENADA COLORADO LANDING BEACH

CU 2202N 08025W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

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NICARO LANDING BEACH

CU 2042N 07533W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D



MOA (PUNTA GORDA) LANDING BEACH

CU 2039N 07453W

NO NEW MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

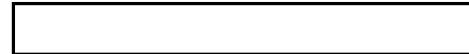


ENSENADA DE PLAYUELAS LANDING BEACH

CU 2246N 08349W

NO MILITARY ACTIVITY OBSERVED.

25X1D

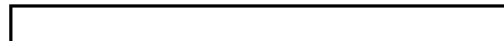


MOA (CANANOA) LANDING BEACH

CU 2039N 07502W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D

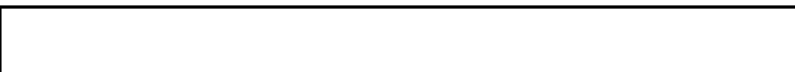


CAYA DE SABINAL LANDING BEACH

CU 2144N 07728W

NO NEW MILITARY ACTIVITY OBSERVED.

25X1D



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-STATUS OF OTHER TARGETS-

THE FOLLOWING TARGETS SHOW NO APPARENT CHANGE SINCE LAST COVERAGE--

25X1A

	BAHIA HONDA EW/GCI RADAR SITE	2258N 08311W
	HOLGUIN EW/GCI RADAR SITE	2048N 07618W
	SANTIAGO DE CUBA EW/GCI RADAR SITE	1959N 07551W
	LA SOCAPA LOW SIEVE RADAR SITE	1958N 07552W
	SANTA ISABEL FINCA MILITARY CAMP	2005N 07528W
	SIBONEY LANDING BEACH	1957N 07542W
	PLAYA YATERITAS LANDING BEACH	1958N 07457W
	CIENFUEGOS LANDING BEACH	2202N 08036W
	MAR VERDE LANDING BEACH	1957N 07556W
IMIAS LANDING BEACH	2005N 07440W	

THE FOLLOWING TARGETS COULD BE IDENTIFIED BUT NOT INTERPRETED--

25X1A

	CABANAS LOW SIEVE RADAR SITE	2259N 08259W
	RANCHO LUNA LOW SIEVE RADAR SITE	2202N 08025W
	SANTA CLARA ARTILLERY TRAINING AREA	2222N 08000W
	SANTA CLARA MILITARY ACTIVITY	2220N 07957W
	SANTA FE MILITARY CAMP LA CLARITA	2144N 08247W
	SANTA FE MILITARY CAMP LUMUMBA	2142N 08249W
	SIGUANEA MILITARY ACTIVITY	2137N 08257W

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